P.W. 17 — Original/Duplicate/Triplicate

1st and final Bill

NO

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division Yelahanka — Sub division Yelahanka New Town — Date

Bills received No — Date — VNK-DBR No. 13 Date 22.09.17 — Sub-divisional — Cash book vr No

Sheduled Docket No — Divisional — Date

Name of work(as per sanctioned estimate) :- — Head of account P. 1771

Work Code:004-17-000050

NAME OF WORK :Construction of opem gym at Shankarnaga park in ward no:04 Yelahanka New Town

Name of contractor and full address :- **N N Srinivasaiah**

Reference to agreement No :- 2020 — **Estimated cost :15.00** — **Work order No 2002/05/2017**

167 Certified that the measurments were taken by me on 31/08/17 and recorded on pages 403/434 of measurment book No 4632 and the work is satisfactorily executed by the contractor.

Signature of contractor

Asst. Engineer

Certified that the measurments were taken by me on and recorded correct The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub Divisional Officer

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಪಾ.ಪ. ಬೆಂಗಳೂರು-106

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---	1st & Final	2176272=00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional	CGST	21763=00
cash book vr No——dated——S D No——Amount adjusted towards cash advance recovery of	SGST	21763=00
b) Cost of payments/stores or other materials supplied now made recovery of	IT	21763=00
Amount paid on this bill by cheque/cash	LC	21763=00
Total	CBF	21776=00
	Royalty	22159=00
5) Balance being unpaid value of work done held in reserve	T.D	111387=00
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor	Net	2064885=00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Reciept Stamp

Audited & Admitted for Rs. 2176272=00

2064885=00

and Rs. 111387=00

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Date — Initials of officer making payment — Date — Executive Engineer

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	2	3	4	5	6	7	8	9	10
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/	Cum			25.12 ~~25.81~~	203.70	5116 ~~5257.50~~	25.12 ~~25.81~~	5116 ~~5257.50~~
2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5	Cum			158.52	175.00	27741.00	158.52	27741.00
3	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker / Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications (Item no17.1,Page no 130, PWD SR 2014-15)	Cum			183.64 ~~184.33~~	74.82	13739 ~~13791.57~~	183.64 ~~184.33~~	13739 ~~13791.57~~
4	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively,400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete	Nos			355 ~~356.00~~	289.81	102882 ~~103172.36~~	355 ~~356.00~~	102882 ~~103172.36~~

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
5	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	Sqm			60 ~~65.00~~	898.13	~~53887~~ 58~~378~~.45	60 ~~65.00~~	~~53887~~ 58~~378~~.45
6	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum			15.99	4506.40	72057.34	15.99	72057.34
7	Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS	Cum			7.00	5037.88	35265.16	7.00	35265.16
8	Providing and fixing cement base cement pre-polishes cement concrete designer tiles 25mm thick confirming to IS 1237 haevy duuty tiles for flooring of treads of steps and landing laid on a bed of 12mm thick cement mortor 1:3 mix finishedd with flush poitning using white cement including cost of materails incldluing cutting the edge to half / full round wherever required labour curing complete	Sqm			69.25 ~~70.00~~	974.98	~~67517~~ ~~68248.60~~	69.25 ~~70.00~~	~~67517~~ ~~68248.60~~
9	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sqm			62.48 (68.10)	24.07	1503 ~~1639.17~~	62.48 ~~68.10~~	1503 ~~1639.17~~

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
10	KSRRB M2700-12. Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint at of 1 litre for 2 sqm complete as per specifications	Sqm			62.48 ~~68.10~~	58.33	3644 ~~3972.27~~	62.48 ~~68.10~~	3644 ~~3972.27~~
11	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm			5.56	75.92	422.12	5.56	422.12
12	Supply and fixing of seated chest press. Metal All tubalr steel of 2.5mm thickness are galvanized and zinc dipped. Joints are robotic welded. All welded joints are scallpoed as necessqry and welded to an approved MIG process. All welds are dressed of moving all sharp egdes and burrs Zinc primer paits is applied at all the welding points prior to finishing All metalparts are powder coated using AKZO nobel- Great wall powder to the thicness of 80-120 microns. All metal parts are tested in our salt spary machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber high quality gip subber is used for the hanled Bearings Maintenance - free ball bearings SCope of delivary I COmpletely Pre asebled guide Safety All products must be tested and ceryfied to meet EN 16630 saftey standars with GS test mark The EN 16630 certificates must be in the name of tendering TUV CPSC or SGS only The GS Mark EN 16630 Certifcate must be in the name of tendering party and not any 3rd paty. All poducts must clearly disply the GS mark as has been issued in the	Each			1.00	200905	200905.00	1.00	200905.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
13	Supply and fixing of Tai Chi spinners Metal ll tubal steel of 2.5 mm thickness are galvanized and zinc dipped joints are welded All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dresed of removing all sharp edge and burrs ZInc primer paits is applied at all the welding points prior to finishing All metals parts and powder coated using AKZO nobel - Great wall powder to the thickness of 80-120 microns ALl metals parts are tested in our salt spray machine that uses a 5% NaCl solution of accordance to ISO7227 to speed upccorrosion for 3000 hrs COlour RAL 5019 Blue and RAL 1014 beige Rubber Hlgh quality grip rubber is used for the handled Bearing Maintenance Free ball bearing Scope of delivery I completety pre-assembled equipent Maintenance Maintenaing according to EN 16630 satefy stanrds with GS test marl. The EN 16630 certificate must be issued by a reputed notified internation certi	Each			1.00	100452.5	100452.50	1.00	100452.50
14	Supllying and fixing of HD health walkers Metal : All tubular steel of 2.50 mm thickness are galazed and zinc dipped Joints are Robotic welded All welded joints are scalloped as necessary and welded to an approved MIG process All metal parts are powder coated using AKZO nobel - GReat wall powder to the thick ness of 80-120 microns All metal parts are tested in our AKZO Nobel colour RAL a 5% solution in accordance to ISO7227 to speed up corrosion for 3000 hrs colour RAL 1014 beige Rubber High quality grip ribber is used for the handles Bearing Mainteane free ball bearing scope of delivay completedlu pre asebmless equipment mdoles. Mainteance	Each			1.00	122290	122290.00	1.00	122290.00

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
15	Supply and fixing of HD waist metal, All tubular steel of 2.5 mm thickness are galvanized and zinc dipped. Joint area Robotic welded, All welded joints are scalloped as necessary and welded to an approved MIG process All welds are dressed off removing all sharp edges and burrs Zinc primer piants is applied at all the welding points prior to finishing All metal parts are power coated using AKZO Nobel-Great wall powder to the thickness of 80-120 microns. All metal parts area testes in our salt spary machine that uses a 5% NcCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber high quality grip rubber is used for the hanbles Bearing maintenance free ball bearing scope of delivery I completely pre assemles	Each			1.00	113555	113555.00	1.00	113555.00
16	Supply and fixing rider metal All tubaler steel of 2.5 nmm thikness are galavzed and zinc dipped joints are robotic welded All welded joints are scalloped as necessary and welded to an approved MIG process. Welds are dresed off all shpart pats are powder coated using AKZO nobel-Great wall pwoder to the thickness of 80-120 microins All metal pats up corrosion for 3000 hrs Rubber High quality grip rubber is used for the handled Bearings Mainetnace free ball bearing scope of delivary I completely pre assembles equipment modles maintenace fress ball bearing accorings to EN 16630 and the meinatnec guide SFatey ALl producte ust be tested and certicied to meet EN16630 saftety with GS test mark The EN 16630 certifieate must be issued by a reputed	Each			1.00	78615	78615.00	1.00	78615.00

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
17	Supply and fixing of elliptical cross trainedr All tubular steel of 2.5 mm thickness are galanzed and zinc dipped Joints are Robotic welded All welded joints are scalloped are necessary and welded to an approved MIG proces All welds ae dressed off removing all shaprt eadges and burrs Zlnc priomer paints is applied at all the welding point to finishing All metal parts are owder coated using AKZO nobel GReat wall powder to the thickness of 80-120 microns ALl metal parts are tested in our salt spary machine that used a 5% rubber for the handled bearing Maitenance free ball bearings SCope of delivary 1) completey pre assembled bearing MAintenace free ball baering Scope of devlivary completey pre equipment moduled All prodcte must be tested and certicated to meet EN 16630 safte stanrds with GS test marks THe EN 16630 certificate mst be issued by a	Each			1.00	122290	122290.00	1.00	122290.00
18	Supply and fixing of Arms & pedak bike Metal All tubular steel of 2.5 mm thickness are galavzied and zin dpped joints are Robotic all welded joints are sacllpoed as necessary and welded to an approved MIG process All welds are dresed off removing all sharp esgaes and burrs Zinc primer pinat is applied at all the welding points prior to finishing All metal parts are powder ae tese free Rubber High quality grip rubber is used for the handled Bearing All productes must be tested and certified to meet EN 1663 safety stands only by a reputed notied interantional certifying agency such as IPEMS TUV CPSC or SGC The GS mark EN16630 certfiacates must be in the 3rd	Each			1.00	148495	148495.00	1.00	148495.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
19	Supplying and fixing of self weightage Rower All tubular steel 2.5 thickness are galavaized and zinc dipped Joints are Robotic welded All welded joints are scalloped as necessary and welded to an approved MIG process All welds are dressed ofd removing all sharp esges and burrs zinc primer pinat is applied at all the welding points prioirs to finsing ALI metal parts are pwoder coated using AKZO nobel Great wall powder to the thicnes of 80-120 micons All metal pats are tetsed in our salt spray machine that uses a 5% NaCI solution in accordnace to ISO7227 to spped up corosion for 3000 hrs colour RAL 5019 blue and RAL 1014 being Tubbe High delivary completey pre asseble equipment modules Maintain accoring to EN 16630 and the maintanance guide Sfatey All producs must be tetsted and certificate to mett EN16630 sfatey stanrds only by a reputed notified internation certifying agency such as IPENA TUV CPSC or SGS THe GS marks EN	Each			1.00	144127.50	144127.50	1.00	144127.50

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
20	Supply and fixing of HD Mini ski All tubular steel of 2.5 mm thickness are galavized and zinc dipped joints are robotic welded All welded joints are scalloped as necessary and welded to an approved MIG process ALL welds are dressed of remoing all sharp edges parts and burrs Zinc primer paints is applied at all the wedonh points prior to sisnishing All metal parts are powder coates using AKZO nebel great wall pwoder to the thickness of 80-120 mcirons All metal parts are tested in our salt spary machine that uses a 5% NaCI solution in accordance to ISO7227 to speed up corrosion for 3000 hrs Rubber High quality completey pe assebled moddules Mainataines Mainatin accoring to EN the maintance guide Safety ALL producte must be tested and certificate eo EN 16630 saftey stands with GS The EN 16630 certicta must be IPEMA TVU CPSC or SGS only The GS mark EN 16630 certifcate must be in the name tendering parts and not any 3rd party All products must clearing disply the GS mark as	Each			1.00	139760.00	139760.00	1.00	139760.00

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
21	Supply and fixing of Bicycle metl All tubular steel of 2.5 m thickness are galanzied and Zinc sipped Joints are Robotic welded All joints are scallpoed as necessary and wlded to an approved MIG process All weld aredreeds off removing all sharp esged and burrs Zinc primer piants is applied at all welding poins priors to snisg All metals parts are pwoder coated using AKZO nobel - Great wall pwoder to the thickness of 80-120 mcirons ALI metals parts are tested in our salts spray machine that uses a 5% NaCI solution in accorindg to ISO7227 to speed up corrption for 3000 hrs Scoe of delivary completely pre assebled equipment moddules Maintraice maintain according to EN 16630 and The maintenance guide Safety all productd must be tested	each			1.00	109187.50	109187.50	1.00	109187.50
22	Natural sana d5.6 to 75 micron SI.NO 59 Code 0772	Each			~~158.7~~ ~~159.30~~	1484.95	~~235661~~ 236552.54	~~158.7~~ ~~159.30~~	~~235661~~ 236552.54
23	RCC Precast covering slabs for drains (10 mm thick)	Sqm			~~22.50~~ ~~23.40~~	1834.35	42923.79	23.40	42923.79
24	KSRB 4.2.2 : Providing and laying in position cement concrete of mix M20 with OPC cement @ 320 kgs with 20mm thick and down size graded grante metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.460 cu with superplatsering @ 3lts confirmg to IS9103-1999 refirmed machine mxied exceeding 15 cms thciks vibrates for all works in fouding plainth and ground floori level for roof sblabs, staincase lintel retainig walls Returs walls (any thickness) including attcahed plasters colomuns piers abutement pillars posts struts buttresssed string or lacing courses parapets coping bed blocks anchors plaints windows cills fillets etcc	Cum			8.10	5565.65	45081.77	8.10	45081.77

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
25	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3	qtl			5.67	4895.67	27758.45	5.67	27758.45
26	KSRB 14-17.2 : Providing skirting, dado, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification	Sqm			133 ~~133.20~~	992.58	132013 ~~13221~~1.66	133 ~~133.20~~	132013 ~~13221~~1.66
27	KSRB 15.3.1Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm			132.80 ~~133.20~~	167.59	022255 ~~22322~~.99	132.8 ~~133.20~~	22255 ~~22322~~.99
28	KSRB15-4.2 Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 12mm thick cost of materials complete as per specifications	Sqm			132.80 ~~133.20~~	6.48	860 ~~863.14~~	132.8 ~~133.20~~	860 ~~863.14~~

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
29	KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured	mtr			32.00	39.81	1273.92	32.00	1273.92
30	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm			90.00	55.55	4999.50	90.00	4999.50
		TOTAL					2183610.77		2183610.77

Certificate:-

Certified that the contractor has work done satisfactorily.

The contractor has removed the debries from work site.

There is no dept. materials issued to the contractor.

Assistant Engineer
ward 03, YST

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore-64.